

## FK90A564

### FILLING LEVEL SENSORS • CAPACITIVE

sensor filling level, Capacitive, 1/2 inch 248long, G1/2 inch, 18-33V DC, PNP NO, Connector M12 3pin, Stainless steel 1.4571+PTFE, IP67, probe Ø12mm 200long, Manual adjustment



#### MECHANICAL FEATURES

Ambient temperature	-25 °C ... 75 °C
Degree of protection (IP)	IP67
Housing material	Stainless steel 1.4571
Medium temperature	-25 °C ... 120 °C
Pressure resistance	16 bar
Probe diameter	12 mm
Probe length	200 mm
Sensing element material	PTFE
Sensor diameter	50 mm
Sensor length	248 mm
Thread length	20 mm
Thread size, inches	1/2 inch
Type of process connection	G1/2 inch

#### ELECTRICAL FEATURES

No-load current	10 mA
Number of contacts as normally open contact	1
Number of pins	3
Physical measurement principle	Capacitive
Rated control supply voltage $U_s$ at DC	18 V ... 33 V
Rated switching current	200 mA
Response sensitivity, adjustable	+
Reverse polarity protection	+
Setting procedure	Manual adjustment
Short-circuit protection	+
Switching frequency	5 Hz
Type of electrical connection	Connector M12
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type for actuation	DC
With LED display	+

## Other

Packaging dimensions	150mm x 130mm x 240mm
Shipping weight	0.74kg
Tariff code	85365019

## Classification

ipf product group	700
eClass 8.0	27371813
eClass 9.0	27371813
eClass 9.1	27371813
ETIM-5.0	EC001447
ETIM-6.0	EC001447
ETIM-7.0	EC001447

## Connection

### Dimensional drawing

### Installation



Mounting / installation may only be carried out by a qualified electrician!

### Disposal



### Software

Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: [www.ipf-electronic.com](http://www.ipf-electronic.com)

### Safety warnings

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information. Never use these devices in applications where the safety of a person depends on their functionality. LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.